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PTO/SB/05 (4/98)
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+ Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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## UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No. 678-529 (P9530)

First Inventor or Application Identifier Hye-Jeong KIM et al.

System and Method for Compensating Timing

Uniy	ior new	HOHPTOVISION	nai applications under	37 U.F.N. 9 1.33(D)	LAPIGOS IV	Lave	,,,, LL	- <del></del>	0070	<del></del>
See					ts.	ADDI	RESS TO	)∴ Box I	Patent A	nmissioner for Patents pplication DC 20231
See MPEP chapter 600 concerning utility patent application contents.  1.					6. Nuclei (if app a. b. c. A7. X 9	ctide and/of- collicable, all collicable collicab	Compuor Amino I necess mputer per Copatement ANYING The Island an Disclost (IDS)/P y Amenoceipt Poes per Specificity (IS) (IS) (IS) (IS) (IS) (IS) (IS) (IS)	ter Programmer Acid Statem assigned in Document District Statem assigned in Country Item assigne	gram (Appendix) sequence Submission le Copy gical to computer copy) gidentity of above copies  LICATION PARTS r sheet & document(s)) seel Power of Attorney ment (if applicable) Copies of IDS Citations  (MPEP 503) mized) ement filed in prior application, us still proper and desired Document(s)	
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Nan	ne	Paul J.	Farrell, Esq.							
Ada	iress		th & Barrese arle Ovington B	lvd.				_		
				tate N	Υ		Zip (	Code	11553	
		U.S.	Jaic	<del></del>		<u>'</u> 16) 228	8484	1 2,5		(516) 228-8516
COL	intry	10.3.		Telepho	ue I (3	10) 220	-0-10-1		Fax	(310) 220-0310
		(Print/Type)	Paul J. Farnell	4 000		Regis	tration No. (	Attomey/A		33,494
	Signati	ure	MANUEL TO	mey					Date	9/29/00

CERTIFICATION UNDER 37 C.F.R 1.10 I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL484186784US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231. I hereby certify that this correspondence and the documents referred to as enclosed are being

Dated: September 29, 2000







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# FEE TRANSMITTAL

Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$) 886.00

Patent and Tra	PTO/SB/17 (12/99) pproved for use through 09/30/2000. OMB 0651-0032 ademark Office: U.S. DEPARTMENT OF COMMERCE lation unless it displays a valid OMB control number.
	omplete if Known
Application Number	
Filing Date	
First Named Inventor	Hye-Jeong KIM et al.
Examiner Name	
Group / Art Unit	
Attorney Docket No.	678-529 (P9530)

METHOD OF PAYMENT (check one)	check one) FEE CALCULATION (continued)				
1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEES Large Entity Small Entity Fee	Fee Paid			
Deposit Account Number	Code (\$)   Code (\$)	ree Faid			
Deposit Account DILWORTH & BARRESE, LLP	127 50 227 25 Surcharge - late provisional filing fee or cover sheet.				
Name DID WORTH & DI MCBSB, EBI	139 130 139 130 Non-English specification				
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147 2,520 147 2,520 For filing a request for reexamination				
2. X Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to Examiner action				
Check Money Other	113 1,840* 113 1,840* Requesting publication of SIR after Examiner action				
FEE CALCULATION	115 110 215 55 Extension for reply within first month				
	116 380 216 190 Extension for reply within second month				
1. BASIC FILING FEE Large Entity Small Entity	117 870 217 435 Extension for reply within third month				
Fee Fee Fee Fee Description	118 1,360 218 680 Extension for reply within fourth month				
404 600 604 645 1 1885 68 - 4-	128 1,850 228 925 Extension for reply within fifth month				
101 690 201 345 Utility filing fee \$690.00	119 300 219 150 Notice of Appeal				
107 480 207 240 Plant filing fee	120 300 220 150 Filing a brief in support of an appeal				
108 690 208 345 Reissue filing fee	121 260 221 130 Request for oral hearing				
114 150 214 75 Provisional filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding				
	140 110 240 55 Petition to revive - unavoidable				
SUBTOTAL (1) (\$) 690.00	141 1,210 241 605 Petition to revive - unintentional				
2. EXTRA CLAIM FEES	142 1,210 242 605 Utility issue fee (or reissue)				
Fee from Extra Claims below Fee Paid	143 430 243 215 Design issue fee				
Total Claims 14 -20** = 0 x \$18 = \$0	144 580 244 290 Plant issue fee				
Independent 5 - 3** = 2 x \$78 = \$156	122 130 122 130 Petitions to the Commissioner				
Multiple Dependent \$260 = \$0	123 50 123 50 Petitions related to provisional applications				
**or number previously paid, if greater; For Reissues, see below	126 240 126 240 Submission of Information Disclosure Stmt				
Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$)	581 40 581 40 Recording each patent assignment per property (times number of properties)	\$40			
103 18 203 9 Claims in excess of 20	146 690 246 345 Filing a submission after final rejection (37 CFR § 1.129(a))				
102 78 202 39 Independent claims in excess of 3	149 690 249 345 For each additional invention to be				
104 260 204 130 Multiple dependent claim, if not paid	examined (37 CFR § 1.129(b))				
109 78 209 39 ** Reissue independent claims over original patent	Other fee (specify)				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other fee (specify)				
SUBTOTAL (2) (\$) 156.00	Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40	)			
SUBMITTED BY Complete (if engicelyle)					

SUBMITTED BY	Complete (if applicable)
Name (Print/Type) Paul J. Parrell Registration No. (Attorney/Agent) 33,494	4 Telephone (516) 228-8484
Signature Vault-tanell	Date September 29, 2000

CERTIFICATION UNDER 37 QF.R. § 1.10 I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EL484186784US addressed to: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 2023 .

Dated: September 29, 2000

Theodosios Thomas

PTO/SB/17 (12/99)
Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ollection of information unless it displays a valid OMB control pumber.

FEE TRANSMITTAL	T	nplete if Known	
FEL INANOMII IAL	Application Number		<b>SO</b>
for FY 2000	Filing Date		222
Patent fees are subject to annual revision.	First Named Inventor	Hye-Jeong KIM et al.	:下量
mall Entity payments must be supported by a small entity statement, therwise large entity fees must be paid. See Forms PTO/SB/09-12.	Examiner Name		
See 37 C.F.R. §§ 1.27 and 1.28.	Group / Art Unit		· =
TOTAL AMOUNT OF PAYMENT (\$) 886.00	Attorney Docket No.	678-529 (P9530)	

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METHOD OF PAYMENT (check one)			F	EE CALCULAT	ION (con	tinued)	, t = -
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Account Number 04-1121	105	130	205 65	Surcharge - late fili	ng fee or oa	th	
Deposit	127	50	227 25	Surcharge - late pro cover sheet.	ovisional filir	ng fee or	
Account Name DILWORTH & BARRESE, LLP	139	130	139 130	Non-English specifi	cation		
Charge Any Additional Fee Required		2,520	147 2,520	For filing a request	for reexamin	nation	
Under 37 CFR §§ 1.16 and 1.17	112	920*	112 920*	Requesting publica Examiner action	tion of SIR p	orior to	
2. X Payment Enclosed: X Check Order Other	113	1,840*	113 1,840		tion of SIR a	after	
	115	110	215 55	Extension for reply	within first n	nonth	
FEE CALCULATION	116	380	216 190	Extension for reply	within seco	nd month	
1. BASIC FILING FEE	117	870	217 435	Extension for reply	within third	month	
Large Entity Small Entity Fee Fee Fee Fee Description	118	1,360	218 680	Extension for reply	within fourth	n month	
Code (\$) Code (\$) Fee Paid	128	1,850	228 925	Extension for reply	within fifth n	nonth	
101 690 201 345 Utility filing fee \$690.00	119	300	219 150	Notice of Appeal			
106 310 206 155 Design filing fee	120	300	220 150	Filing a brief in sup	port of an a	ppeal	
107 480 207 240 Plant filing fee	121	260	221 130	Request for oral he	earing		
108 690 208 345 Reissue filing fee	138	1,510	138 1,510	Petition to institute	a public use	proceeding	
114 150 214 75 Provisional filing fee	140	110	240 55	Petition to revive -	unavoidable	!	
SUBTOTAL (1) (\$) 690.00	141	1,210	241 605	Petition to revive -	unintentiona	ıl	
2. EXTRA CLAIM FEES	142	1,210	242 605	Utility issue fee (or	reissue)		
Fee from Extra Claims below Fee Paid	143	430	243 215	Design issue fee			
Total Claims 14 -20** = 0 x \$18 = \$0	144	580	244 290	Plant issue fee			
Independent 5 - 3** = 2 x \$78 = \$156	122	130	122 130	Petitions to the Cor	mmissioner		
Multiple Dependent \$260 = \$0	123	50	123 50	Petitions related to	provisional	applications	
**or number previously paid, if greater; For Reissues, see below	126	240	126 240	Submission of Info	rmation Disc	closure Stmt	
Large Entity Small Entity  Fee Fee Fee Fee Fee Description  Code (\$) Code (\$)	581	40	581 40	Recording each pa property (times nur	tent assignmenter	nent per perties)	\$40
103 18 203 9 Claims in excess of 20	146	690	246 345	Filing a submission (37 CFR § 1.129(a	n after final r		
102 78 202 39 Independent claims in excess of 3	149	690	249 345	For each additiona		o be	<del></del>
104 260 204 130 Multiple dependent claim, if not paid				examined (37 CFR	(§ 1.129(b))	)	
109 78 209 39 ** Reissue independent claims over original patent	Other	fee (sp	ecify)				
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other	fee (sp	pecify)	<u> </u>			
SUBTOTAL (2) (\$) 156.00	* Redu	uced by	Basic Filing	Fee Paid S	UBTOTAL	. (3) (\$) 4	0
SUBMITTED BY					Complete (i	f applicable)	
Name (Print/Type) Paul J. Parrell			tration No. ley/Agent)	33,494	Telephone	(516) 228	-8484
			-,,-			ī	

Date September 29, 2000 Signature

CERTIFICATION UNDER 37 OF.R. § 1.10

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Dated: September 29, 2000

Theodosios Thomas



Atty. Docket No. 678-529 (P9530)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### BOX PATENT APPLICATION

Assistant Commissioner for Patents Washington, D.C. 20231

#### UTILITY APPLICATION FEE TRANSMITTAL

Sir:		
Trans	smitte	d herewith for filing is the patent application of
Inver	ntor(s	): Hye-Jeong KIM and Hyun-Kyu LEE
For:		SYSTEM AND METHOD FOR COMPENSATING TIMING ERROR USING PILOT SYMBOL IN OFDM/CDMA COMMUNICATION SYSTEM
Enclo	osed a	re:
[X]	_19_	page(s) of specification
[X]	_1	page(s) of Abstract
[X]	_5	page(s) of claims
[X]	9	sheet(s) of drawing(s) [X] formal [] informal
[X]	_2	page(s) of Declaration and Power of Attorney
[ <b>x</b> ]	An As Ltd.	signment of the invention to <u>Samsung Electronics Co.</u> ,

### CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date <a href="September 29">September 29</a>, 2000in an envelope as "Express Mail Post Office to Addressee" Mail Label Number <a href="EL484186784US">EL484186784US</a> addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Dated: September 29, 2000

Theodosios Thomas





[X] Certified copy of application

Cou	nt	ry

Appln. No.

<u>Filed</u>

Republic of	Korea	1999-41669	September	29,	1999
				. —	

from which priority under Title 35 United States Code, § 119 is claimed

- [ ] is enclosed.
- [X] will follow.

	CALCULATI	ON OF UTIL	ITY APPLICATION	FEE
1				
	Number	Number		Basic Fee
For	Filed	Extra	Rate	\$ 690.00
Total				
Claims*	14 =	0	x \$ 18.00	\$ -0-
Independent				
Claims	5	= 2	x \$ 78.00	\$ 156.00
Multiple	[ ] yes	Add'l.	Fee \$260.00	\$ -0-
dependent Claims	[x] no	Add'l.	Fee None	= \$ -0-
				TOTAL \$ 846.00

- [ ] Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith § \_\_\_\_\_.
- [X] A check in the amount of  $\underline{\$40.00}$  to cover the recording of the attached Assignment is enclosed.
- [X] A check in the amount of \$846.00 to cover the filing fee(s) is attached.
- [ ] Charge fee to Deposit Account No. 04-1121. Order No. TWO DUPLICATE COPIES OF THIS SHEET ARE ATTACHED.

<sup>\*</sup>Includes all independent and single dependent claims and all claims referred to in multiple claims. See 37 C.F.R. § 1.75(c).





[X] Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. TWO DUPLICATE COPIES OF THIS SHEET ARE ATTACHED.

Date: September 29, 2000

SIGNATURE OF ATTORNEY
Paul J. Farrell
Reg. No. 33,494

Attorney for Applicant(s)

DILWORTH & BARRESE
333 Earle Ovington Blvd.
Uniondale, NY 11553
Tel.: (516) 228-8484
Fax: (516) 228-8516
PJF/TT/lah